

a head area extracting program for extracting a head area of a person from a differential image of a plurality of two-dimensional images picked up by an image input section;

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a feature detection program for detecting positions of characteristic features of the person's portrait by dividing the head area into face parts areas for respective face parts, finding projection data of binarized images for the respective face parts areas and detecting the position of each of the face parts based upon a center-of-gravity position of the projection data;

a face outline determining program for determining a border between a face outline and a background within the head area by specifying a skin color area of the two-dimensional image; and

an image processing program for creating a person's portrait in which the characteristics in the person's face are emphasized by changing the two-dimensional image with respect to each of the face parts.

IN THE ABSTRACT:

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ABSTRACT OF THE DISCLOSURE

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A person's portrait generation device includes an image input section which picks up a two-dimensional image containing a person's face, using an image sensor. A head area extracting section extracts the head of the person from the image. A feature detection section detects the position of characteristic feature(s) of the face of that person. A face outline determining section determines a border between a face outline and a background. An image processing section generates a person's portrait in which the characteristic feature(s) of the face is emphasized.